

Job Title:	Software Engineer II	Approved:	01/06/25
Job Classification:	Salary	FLSA Status:	Exempt
Department:	Engineering	Reports To:	Engineering Manager
Work Location:	Vista, CA		

## Who We Are:

Flux Power (NASDAQ: FLUX) designs, manufactures and sells advanced lithium-ion energy storage solutions for electrification of a range of industrial and commercial sectors including material handling, airport ground support equipment (GSE), and stationary energy storage. Flux Power's lithium-ion battery packs, including the proprietary battery management system (BMS) and telemetry, provide customers with better performance, lower cost of ownership, and a more environmentally friendly alternative, in many instances, to traditional lead acid and propane-based solutions. By joining us, you'll be part of a team that's driving sustainability and transforming how businesses manage their energy needs.

## The Role:

Are you a firmware engineer who thrives on bringing ideas to life? We are seeking a highly skilled, hands-on Firmware Engineer who enjoys developing firmware solutions from the driver level up to a finished product. We value engineers who take ownership of their work and pride in developing novel customer solutions. You will design, develop, and optimize embedded firmware for our advanced lithium-ion energy storage solutions, telematics solutions, and manufacturing test stations. This position is your chance to work in collaboration with our R&D engineers, manufacturing engineers, and product managers to ensure we deliver products that meet customer expectations and seamlessly integrate into their material handling, ground support, and stationary energy storage solutions.

## Essential Duties and Responsibilities:

- Work with sales, product management, and engineering to define requirements and specifications.
- Architect, design, develop, and test embedded firmware for new and existing products.
- Design and execute efficient, reliable, and scalable C code.
- Develop and maintain low-level drivers and firmware for microcontrollers and embedded systems.
- Develop and maintain software to support manufacturing test and validation equipment.
- Ensure firmware quality through rigorous code reviews, bench testing, and product testing.
- Maintain thorough documentation of firmware architecture, code, and design decisions.

## Required Education and Skills:

- Bachelor's degree in computer science, electrical engineering, or related field required.
- Must have a strong understanding of software development concepts, principles, and theory.
- Ability to assess design options, and discern details needed in deciding direction and approach.
- Proficiency in C programming language.
- Excellent verbal and written communication skills.
- Excellent organizational skills and attention to detail.

- Excellent time management skills with a proven ability to meet deadlines.
- Demonstratable ability to learn new coding languages and technologies.

## Beneficial Skills:

- Ability to read and interpret schematics and datasheets.
- Experience with ARM, RISC, and Microchip processors.
- Experience developing hardware interfaces and protocols (CAN, SPI, I2C, UART, etc.).
- Experience implementing wireless communication protocols (Wi-Fi, Cellular).
- Familiarity with safety-critical firmware development and standards.

## Other Duties:

Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties, or responsibilities that are required of the employee for this job. Duties, responsibilities, and activities may change at any time with or without notice.

## Perks and Benefits:

*Your hard work deserves rewards! Here's what you'll get:*

- Health & Wellness: Medical, dental, and vision insurance to keep you and your family covered.
- Secure Your Future: A 401K plan with company matching.
- Life Assurance: Life insurance for peace of mind.
- Time for You: Generous paid time off and holidays for work-life balance.

*We are committed to a safe, drug-free workplace by performing pre-employment background checks and substance testing.*

## Notes:

- No recruiters, contractors, or consultants, please.
- At this time, we are unable to provide relocation assistance or visa sponsorships. This position is based in the United States.

**Please review our career page at:** <https://www.fluxpower.com/careers>

*\*\*\*Flux Power is proud to be an equal opportunity employer committed to providing employment opportunities (EEO) to all employees and applicants for employment without regard to race, color, religion, sex, national origin, age or disability, or any other class protected by Federal, State or local laws. Flux Power complies with all employment eligibility verification requirements of the Immigration and Nationality Act and all must have authorization to work in the US.*